

Claims

1)- "ARRANGEMENT FOR AN ACTUATING MECHANISM",
comprising: a pair of electric micro-engines (10) provided with endless axes
(11); a pair of annular gears (20) coupled with the respective endless axes;
5 two elastic grips (30) incorporated into the gears; two threaded actuating
pins (40), which pass through and remain coupled with the grips; a casing
(50)-(60), which houses the engine and gear assembly, from which the ends
of the actuating pins project outwards; a middle articulation assembly (70) a
first portion of which being incorporated into the body (50) of the casing; a
10 plate (80) for supporting the mirror bracket (1) whose rear face features a
pair of grooves (81), where the ends of the actuating pins articulately couple
with (40); said supporting plate (80) being further formed by a middle
opening (82), and featuring a second portion of the middle articulation
assembly (70); said articulation assembly (70) being further formed by a
15 balance beam (71) articulately coupled with the mentioned first and second
portions of the articulation assembly (70); said electric micro-engines (10)
featuring sections among which one shows a larger dimension, and the other
shows a smaller dimension, **characterized** in that the larger sections of the
electric engines (10) are orthogonal to the bottom walls (50)' and (60)' of
20 the body (50) and cover (60) of the casing, so their electric connection
terminals are freely arranged next to their respective openings (51) of the

side wall (50)” of the body (50), thus enabling the electric wiring connection (90) by fitting (transfixing); each annular grip (30) is formed by: a bipartite and elastic annular body (31), arranged inside the gear opening (20), concentric thereto and an end of which is at the medium height level of the gear (20), where a rim (32) is arranged for the connection of its inner surface with the bipartite, elastic, annular body (31), and the opposite end of said bipartite, elastic, annular body (31) is at the end level of the gear gearing section (20), where a helical rib (33) is provided for gearing with the actuating pin (40); grooves (73), incorporated into the opening (82) of the supporting plate (80) receiving the ends of the balance beam (71) are “C”-shaped grooves, placed with their concavities turned to opposite directions to each other, and the ends (76) of the balance beam (71) are cylindrical and can forcedly pass through the free ends of said “C”-shaped grooves (73), by means of the arrangement of said cylindrical ends (76) in front of the openings of the “C”-shaped grooves (73), and an angular movement in the balance beam (71) around its cross-sectional geometric axis towards the ends (76) to get into the “C”-shaped grooves (73); the device for fastening the body (50) and the cover (60) of the casing essentially comprises of: at least three openings (57) provided in the corners between the bottom (50)’ and the peripheral wall (50)” of the body (50), and corresponding cuneiform, turned outward projections (63) provided at the end of the

peripheral wall (60)” of the cover (60); referred to openings (57) being formed by outer cut-offs on the peripheral wall (50)” of the body (50) of the casing from its ridge in respect of the bottom (50)’, and even next to the free edge of said peripheral wall (50)”.

5 2)- “ARRANGEMENT FOR AN ACTUATING MECHANISM”, as claimed in claim 1, **characterized in that** the body (50) features in its bottom part (50)’ two beds for receiving the electric engines formed by concave bottom surfaces (52), which get in line with equal concave surfaces (52)’ provided on the cover (60), the referred to beds being further formed
10 by end grips (53) and side rims (54) so that the electric engines (10) are retained between the concave surfaces (52), (52)’; the outer grips (53) and side rims (54); said body (50) further featuring in its bottom portion (50)’ annular bearing rims (55) for supporting the gears (20); and three openings (56) arranged in a triangle-like configuration, and receiving bolts for
15 fastening the mechanism to the bottom of the rear-view mirror assembly coat.

3)- “ARRANGEMENT FOR AN ACTUATING MECHANISM”, as claimed in claim 1, **characterized in that** the cover (60) has a peripheral wall (60)” provided with openings (63) aligned with the openings (51) of the
20 peripheral wall (50)” of the body (50) for passing the wires (90) and the bottom (60)’ of said cover (60) including beds (64) for supporting the gears

(20) and incorporating three sleeves (65) in line with the openings (56) of the body (50) for receiving the fastening bolts.